

10" Motorized Bench Saw

(Model TS200, Model TS200LS)



Model TS200LS
Shown

PART NO. A05738 - 05-19-05
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visit our website at: www.deltamachinery.com.

For Parts, Service, Warranty or other Assistance,

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ESPAÑOL: PÁGINA 27

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IMPORTANT SAFETY INSTRUCTIONS

▲ WARNING Read and understand all warnings and operating instructions before using any tool or equipment. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Delta Machinery strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed.

If you have any questions relative to its application DO NOT use the product until you have written Delta Machinery and we have advised you.

Online contact form at www.deltamachinery.com

Postal Mail: Technical Service Manager
Delta Machinery
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Jackson, TN 38305

(IN CANADA: 125 Mural St. Suite 300, Richmond Hill, ON, L4B 1M4)

Information regarding the safe and proper operation of this tool is available from the following sources:

Power Tool Institute
1300 Sumner Avenue, Cleveland, OH 44115-2851
www.powertoolinstitute.org

National Safety Council
1121 Spring Lake Drive, Itasca, IL 60143-3201

American National Standards Institute, 25 West 43rd Street, 4 floor, New York, NY 10036 www.ansi.org
ANSI 01.1 Safety Requirements for Woodworking Machines, and

the U.S. Department of Labor regulations www.osha.gov

SAVE THESE INSTRUCTIONS!

SAFETY GUIDELINES - DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.



⚠ DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

CALIFORNIA PROPOSITION 65

⚠ WARNING **SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES** contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear **NIOSH/OSHA** approved, properly fitting face mask or respirator when using such tools.

GENERAL SAFETY RULES



⚠ WARNING **READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT.** Failure to follow all instructions listed below, may result in electric shock, fire, and/or serious personal injury or property damage.

IMPORTANT SAFETY INSTRUCTIONS

- 1. FOR YOUR OWN SAFETY, READ THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE.** Learning the machine's application, limitations, and specific hazards will greatly minimize the possibility of accidents and injury.
- 2. WEAR EYE AND HEARING PROTECTION. ALWAYS USE SAFETY GLASSES.** Everyday eyeglasses are NOT safety glasses. USE CERTIFIED SAFETY EQUIPMENT. Eye protection equipment should comply with ANSI Z87.1 standards. Hearing equipment should comply with ANSI S3.19 standards.
- 3. WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
- 4. DO NOT USE THE MACHINE IN A DANGEROUS ENVIRONMENT.** The use of power tools in damp or wet locations or in rain can cause shock or electrocution. Keep your work area well-lit to prevent tripping or placing arms, hands, and fingers in danger.
- 5. MAINTAIN ALL TOOLS AND MACHINES IN PEAK CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Poorly maintained tools and machines can further damage the tool or machine and/or cause injury.
- 6. CHECK FOR DAMAGED PARTS.** Before using the machine, check for any damaged parts. Check for alignment of moving parts, binding of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or any other part that is damaged **should be properly repaired or replaced.** Damaged parts can cause further damage to the machine and/or injury.
- 7. KEEP THE WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 8. KEEP CHILDREN AND VISITORS AWAY.** Your shop is a potentially dangerous environment. Children and visitors can be injured.
- 9. REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure that the switch is in the "OFF" position before plugging in the power cord. In the event of a power failure, move the switch to the "OFF" position. An accidental start-up can cause injury.
- 10. USE THE GUARDS.** Check to see that all guards are in place, secured, and working correctly to reduce the risk of injury.
- 11. REMOVE ADJUSTING KEYS AND WRENCHES BEFORE STARTING THE MACHINE.** Tools, scrap pieces, and other debris can be thrown at high speed, causing injury.
- 12. USE THE RIGHT MACHINE.** Don't force a machine or an attachment to do a job for which it was not designed. Damage to the machine and/or injury may result.
- 13. USE RECOMMENDED ACCESSORIES.** The use of accessories and attachments not recommended by Delta may cause damage to the machine or injury to the user.
- 14. USE THE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. See the Extension Cord Chart for the correct size depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- 15. SECURE THE WORKPIECE.** Use clamps or a vise to hold the workpiece when practical. Loss of control of a workpiece can cause injury.
- 16. FEED THE WORKPIECE AGAINST THE DIRECTION OF THE ROTATION OF THE BLADE, CUTTER, OR ABRASIVE SURFACE.** Feeding it from the other direction will cause the workpiece to be thrown out at high speed.
- 17. DON'T FORCE THE WORKPIECE ON THE MACHINE.** Damage to the machine and/or injury may result.
- 18. DON'T OVERREACH.** Loss of balance can make you fall into a working machine, causing injury.
- 19. NEVER STAND ON THE MACHINE.** Injury could occur if the tool tips, or if you accidentally contact the cutting tool.
- 20. NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the machine until it comes to a complete stop. A child or visitor could be injured.
- 21. TURN THE MACHINE "OFF", AND DISCONNECT THE MACHINE FROM THE POWER SOURCE** before installing or removing accessories, before adjusting or changing set-ups, or when making repairs. An accidental start-up can cause injury.
- 22. MAKE YOUR WORKSHOP CHILDPROOF WITH PADLOCKS, MASTER SWITCHES, OR BY REMOVING STARTER KEYS.** The accidental start-up of a machine by a child or visitor could cause injury.
- 23. STAY ALERT, WATCH WHAT YOU ARE DOING, AND USE COMMON SENSE. DO NOT USE THE MACHINE WHEN YOU ARE TIRED OR UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR MEDICATION.** A moment of inattention while operating power tools may result in injury.
- 24. ⚠ WARNING USE OF THIS TOOL CAN GENERATE AND DISBURSE DUST OR OTHER AIRBORNE PARTICLES, INCLUDING WOOD DUST, CRYSTALLINE SILICA DUST AND ASBESTOS DUST.** Direct particles away from face and body. Always operate tool in well ventilated area and provide for proper dust removal. Use dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

ADDITIONAL SPECIFIC SAFETY RULES

⚠ WARNING FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS INJURY.

1. **DO NOT OPERATE THIS MACHINE** until it is **assembled** and **installed** according to the instructions.
2. **OBTAIN ADVICE FROM YOUR SUPERVISOR, instructor, or another qualified person** if you are not familiar with the operation of this machine.
3. **FOLLOW ALL WIRING CODES** and recommended electrical connections.
4. **USE THE GUARDS WHENEVER POSSIBLE.** Check to see that they are in place, secured, and working correctly.
5. **KICKBACK IS THE NATURAL TENDENCY OF THE WORKPIECE TO BE THROWN BACK AT THE OPERATOR** when the workpiece initially contacts the blade or if the workpiece pinches the blade. Kickback is dangerous and can result in serious injury.
AVOID KICKBACK by:
 - A. keeping blade sharp and free of rust and pitch.
 - B. keeping rip fence parallel to the saw blade.
 - C. using saw blade guard and spreader for every possible operation, including all through sawing.
 - D. pushing the workpiece past the saw blade prior to release.
 - E. never ripping a workpiece that is twisted or warped, or does not have a straight edge to guide along the fence.
 - F. using featherboards when the anti-kickback device cannot be used.
 - G. never sawing a large workpiece that cannot be controlled.
 - H. never using the fence as a guide when crosscutting.
 - I. never sawing a workpiece with loose knots or other flaws.
6. **ALWAYS USE GUARDS, SPLITTER, AND ANTI-KICKBACK FINGERS** whenever possible.
7. **REMOVE CUT-OFF PIECES AND SCRAPS** from the table before starting the saw. The vibration of the machine may cause them to move into the saw blade and be thrown out. After cutting, turn the machine off. After the blade has **come to a complete stop, remove all debris.**
8. **NEVER START THE MACHINE** with the workpiece against the blade.
9. **NEVER** run the workpiece between the fence and a moulding cutterhead.
10. **CUTTING THE WORKPIECE WITHOUT THE USE OF A FENCE OR MITER GAUGE IS KNOWN AS "FREEHAND" CUTTING. NEVER** perform "free-hand" operations. Use either the fence or miter gauge to position and guide the workpiece.
11. **HOLD THE WORKPIECE FIRMLY** against the miter gauge or fence.
12. **CUTTING COMPLETELY THROUGH THE WORKPIECE IS KNOWN AS "THROUGH-SAWING".** Ripping and cross-cutting are through-sawing operations. Cutting with the grain (or down the length of the workpiece) is ripping. Cutting across the grain (or across the workpiece) is cross-cutting. Use a fence or fence system for ripping. **DO NOT** use a fence or fence system for cross-cutting. Instead, use a miter gauge. **USE PUSH STICK(S)** for ripping a narrow workpiece.
13. **AVOID AWKWARD OPERATIONS AND HAND POSITIONS** where a sudden slip could cause a hand to move into the blade.
14. **KEEP ARMS, HANDS, AND FINGERS** away from the blade.
15. **NEVER** have any part of your body in line with the path of the saw blade.
16. **NEVER REACH AROUND** or over the saw blade.
17. **NEVER** attempt to free a stalled saw blade without first turning the machine "OFF".
18. **PROPERLY SUPPORT LONG OR WIDE** workpieces.
19. **NEVER PERFORM LAYOUT,** assembly or set-up work on the table/work area when the machine is running.
20. **TURN THE MACHINE "OFF" AND DISCONNECT THE MACHINE** from the power source before installing or removing accessories, before adjusting or changing set-ups, or when making repairs.
21. **TURN THE MACHINE "OFF",** disconnect the machine from the power source, and clean the table/work area before leaving the machine. **LOCK THE SWITCH IN THE "OFF" POSITION** to prevent unauthorized use.
22. **ADDITIONAL INFORMATION** regarding the safe and proper operation of power tools (i.e. a safety video) is available from the Power Tool Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851 (www.powertoolinstitute.com). Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201. Please refer to the American National Standards Institute ANSI O1.1 Safety Requirements for Woodworking Machines and the U.S. Department of Labor OSHA 1910.213 Regulations.

**SAVE THESE INSTRUCTIONS.
Refer to them often
and use them to instruct others.**

POWER CONNECTIONS

A separate electrical circuit should be used for your machines. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and matching receptacle which will accept the machine's plug. Before connecting the machine to the power line, make sure the switch (s) is in the "OFF" position and be sure that the electric current is of the same characteristics as indicated on the machine. All line connections should make good contact. Running on low voltage will damage the machine.

⚠ DANGER DO NOT EXPOSE THE MACHINE TO RAIN OR OPERATE THE MACHINE IN DAMP LOCATIONS.

MOTOR SPECIFICATIONS

Your machine is wired for 120 volt, 60 HZ alternating current. Before connecting the machine to the power source, make sure the switch is in the "OFF" position.

GROUNDING INSTRUCTIONS

⚠ DANGER THIS MACHINE MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

1. All grounded, cord-connected machines:

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the machine is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding type plugs and matching 3-conductor receptacles that accept the machine's plug, as shown in Fig. A.

Repair or replace damaged or worn cord immediately.

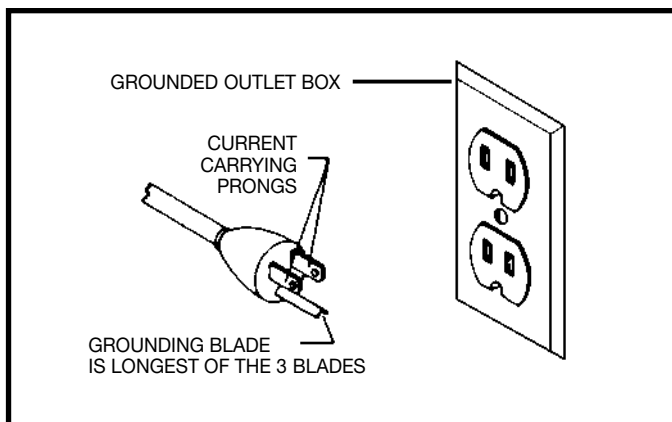


Fig. A

2. Grounded, cord-connected machines intended for use on a supply circuit having a nominal rating less than 150 volts:

If the machine is intended for use on a circuit that has an outlet that looks like the one illustrated in Fig. A, the machine will have a grounding plug that looks like the plug illustrated in Fig. A. A temporary adapter, which looks like the adapter illustrated in Fig. B, may be used to connect this plug to a matching 2-conductor receptacle as shown in Fig. B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. Whenever the adapter is used, it must be held in place with a metal screw.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electric Code.

⚠ DANGER IN ALL CASES, MAKE CERTAIN THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE HAVE A QUALIFIED ELECTRICIAN CHECK THE RECEPTACLE.

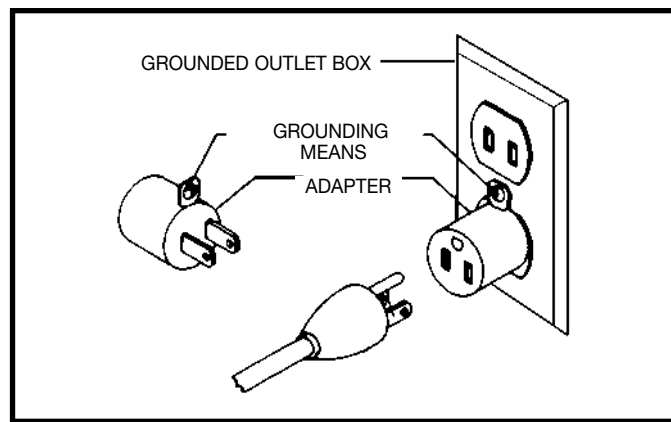


Fig. B

EXTENSION CORDS

⚠ WARNING Use proper extension cords. Make sure your extension cord is in good condition and is a 3-wire extension cord which has a 3-prong grounding type plug and matching receptacle which will accept the machine's plug. When using an extension cord, be sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. Fig. D-1 or D-2, shows the correct gauge to use depending on the cord length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

MINIMUM GAUGE EXTENSION CORD			
RECOMMENDED SIZES FOR USE WITH STATIONARY ELECTRIC MACHINES			
Ampere Rating	Volts	Total Length of Cord in Feet	Gauge of Extension Cord
0-6	120	up to 25	18 AWG
0-6	120	25-50	16 AWG
0-6	120	50-100	16 AWG
0-6	120	100-150	14 AWG
6-10	120	up to 25	18 AWG
6-10	120	25-50	16 AWG
6-10	120	50-100	14 AWG
6-10	120	100-150	12 AWG
10-12	120	up to 25	16 AWG
10-12	120	25-50	16 AWG
10-12	120	50-100	14 AWG
10-12	120	100-150	12 AWG
12-16	120	up to 25	14 AWG
12-16	120	25-50	12 AWG
12-16	120	GREATER THAN 50 FEET NOT RECOMMENDED	

Fig. D-1

FUNCTIONAL DESCRIPTION

FOREWORD

Delta ShopMaster Model TS200LS is a 10" Table Saw designed to give high quality performance with depth of cut capacity up to 3" (76mm) at 90° and 2" (51mm) at 45° for clean cutting of standard stock sizes. Delta ShopMaster Model TS200LS includes the saw with a 13 amp 120V motor, a metal stand, rip fence, miter gage, see-through blade guard with splitter and anti-kickback fingers, a 10" carbide-tipped saw blade, table insert and blade wrenches. The TS200 is the same saw without the stand.

NOTICE: THE PHOTO ON THE MANUAL COVER ILLUSTRATES THE CURRENT PRODUCTION MODEL. ALL OTHER ILLUSTRATIONS CONTAINED IN THE MANUAL ARE REPRESENTATIVE ONLY AND MAY NOT DEPICT THE ACTUAL COLOR, LABELING OR ACCESSORIES AND ARE INTENDED TO ILLUSTRATE TECHNIQUE ONLY.

CARTON CONTENTS

MOTORIZED BENCH SAW PARTS

Fig. 1 illustrates the saw removed from the container. Figs. 2 and Fig. 3 illustrate the loose items packed with the saw. Fig. 4 illustrates the loose items packed for the stand for model TS-200LS ONLY.



Fig. 1

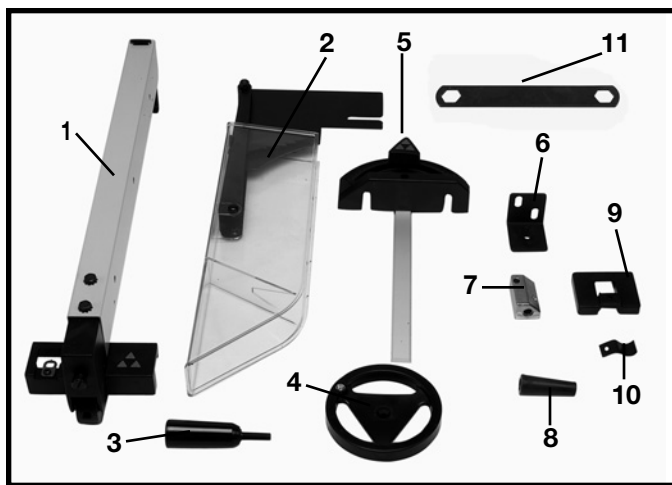


Fig. 2

Fig. 2 Parts

1. Rip Fence
2. Splitter and Guard Assembly
3. Lock Handle for Rip Fence
4. Blade Raising and Lowering Handwheel
5. Miter Gage
6. Splitter Support Bracket
7. Splitter Bracket
8. Handle for Blade Raising and Lowering Handwheel
9. Miter Gage Holder
10. Spring Clip for Miter Gage Holder
11. Blade Wrench

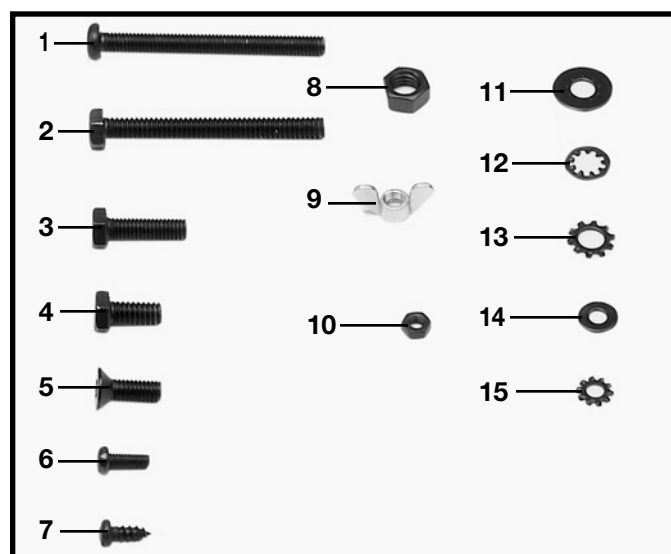


Fig. 3

Fig. 3 Hardware

1. M6x1x55mm Pan Head Screw (1)
2. 1/4-20x2 1/2" Hex Head Screw (1)
3. M6x1x20mm Hex Head Screw (1)
4. 1/4-20x1 1/2" Hex Head Screw (2)
5. M6x1x12mm Flat Head Screw (1)
6. M4x.7x10mm Pan Head Screw (1)
7. M4x.2x10mm Pan Head Screw (4)
8. M8x1.25 Hex Nut (1)
9. M6x1 Wing Nut (1)
10. M4.7 Hex Nut (1)
11. M6.4 Flat Washer (3)
12. 1/4" Internal Tooth Lockwasher (1)
13. 1/4" External Tooth Lockwasher (5)
14. 3/16" Flat Washer (4)
15. 3/16" External Tooth Flat Washer (1)

STAND FOR MODEL TS200LS ONLY (Fig. 4)

1. Leg (4)
2. 3/8" Flat Washer for Mounting Saw to Stand & for Assembling Stand (24)
3. Foot (4)
4. M8x1.25 Hex Nut for Mounting Saw to Stand & for Assembling Stand (20)
5. M8x1.25x40mm Hex Screw for Mounting Saw to Stand (4)
6. M8x1.25x20mm Carriage Head Bolts for Assembling Stand (16)
7. 18-1/2" Top Front and Rear Brackets (2)
8. 17" Top Side Brackets (2)
9. 22" Bottom Front and Rear Brackets (2)
10. 20-3/8" Bottom Side Brackets (2)

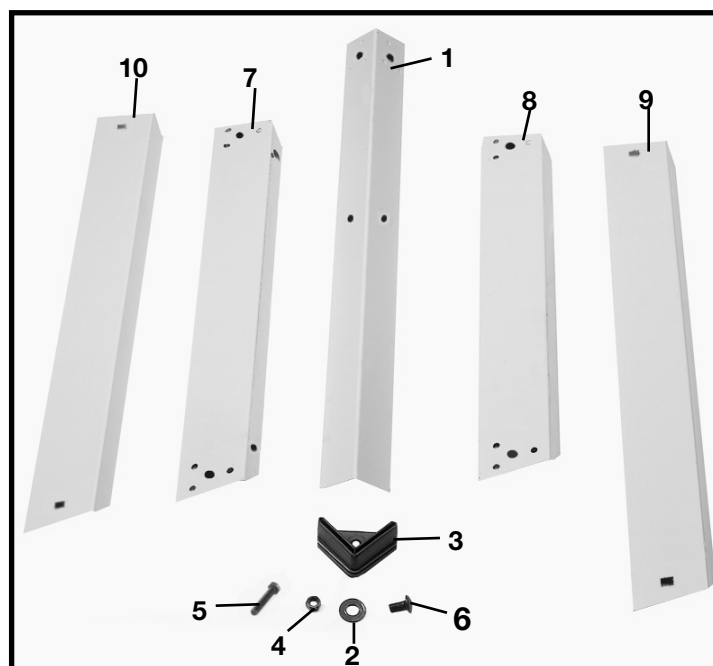


Fig. 4

UNPACKING AND CLEANING

Carefully unpack the machine and all loose items from the shipping container(s). Remove the protective coating from all unpainted surfaces. This coating may be removed with a soft cloth moistened with kerosene (do not use acetone, gasoline or lacquer thinner for this purpose). After cleaning, cover the unpainted surfaces with a good quality household floor paste wax.

ASSEMBLY

ASSEMBLY TOOLS REQUIRED

(None supplied)

* Phillips head screw driver

* 13mm wrench for stand bolts

* 10mm wrench for splitter assembly bolts

* Straight edge and/or framing square for adjustments

ASSEMBLY TIME ESTIMATE - 1 hour

ELEVATING AND SUPPORTING SURFACES FOR A SAW WITH NO STAND

⚠ WARNING THE SAW MUST BE PROPERLY SECURED TO A SUPPORTING SURFACE. ALSO, FAILURE TO PROVIDE A SAWDUST FALL-THROUGH AND REMOVAL HOLE WILL ALLOW SAWDUST TO BUILD UP AROUND THE MOTOR, CAUSING A POSSIBLE FIRE HAZARD AND/OR MOTOR DAMAGE.

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

The saw must be elevated enough for sawdust to fall through the bottom of the saw and not build up around the motor.

Position the four mounting holes located on the base of the saw cabinet (two of which are shown at (A) Fig. 4A) over whatever proper support you are using. Then securely fasten the saw to the supports. The saw can be secured by fastening the stand through the mounting holes with suitable hardware (not supplied).

⚠ WARNING THE SAW SUPPORT MUST BE STABLE AND ABLE TO SUPPORT 300 POUNDS.

You can also construct a simple elevated support, as shown in Fig. 4B.

⚠ WARNING USE A GOOD GRADE OF PLYWOOD WITH A MINIMUM 3/4" THICKNESS. DO NOT MAKE THE MOUNTING BOARD FROM PARTICLE BOARD SINCE PARTICLE BOARD BREAKS EASILY.

⚠ WARNING A HOLE MUST BE PROVIDED IN THIS SUPPORT TO ALLOW SAWDUST TO FALL THROUGH.

Square the saw on the supporting surface and mark the location for four 5/16 inch holes to be drilled (Fig. 4B).

⚠ WARNING MAKE SURE THERE IS AT LEAST 3" ON ALL FOUR SIDES OF THE BASE.

Set the saw aside and then drill holes in these marks. Locate and mark an 11" or 12" square centered between the four mounting holes. Cut out and remove the square (Fig. 4B).

To elevate the supporting surface, measure two 2x4s (A) Fig. 4B to the width of two opposite sides of the supporting surface. Attach the supporting surface to the narrow edges of the 2X4s (as shown in Fig. 4B) using wood screws (not provided) in at least three spots (B) Fig. 4B on each side.

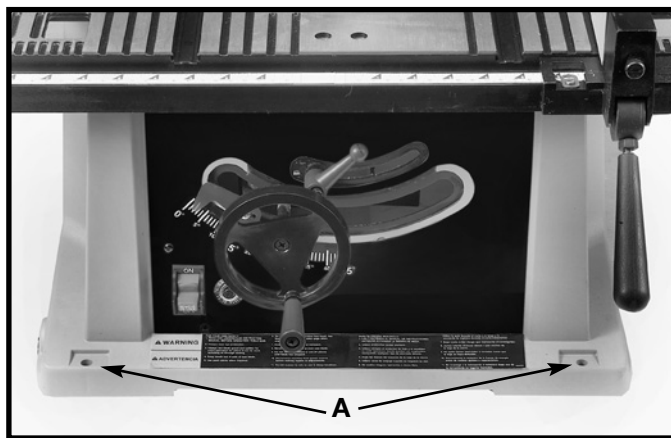


Fig. 4A

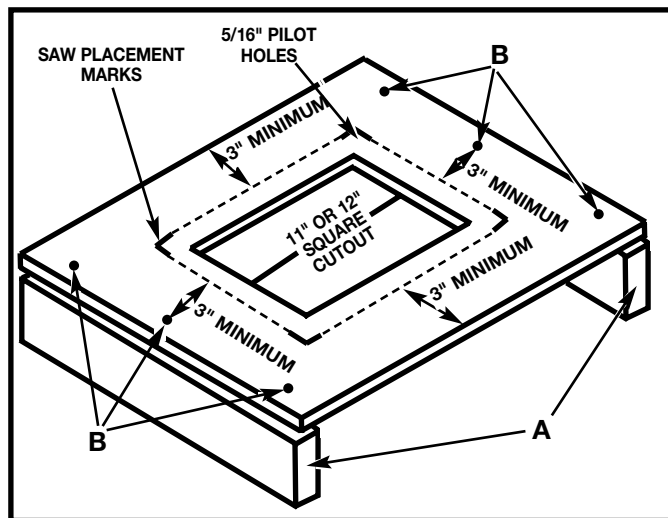


Fig. 4B

Fasten the saw to the surface by inserting suitable hardware (not supplied) through the mounting holes on the saw and into the previously drilled holes. While using the saw, periodically remove the sawdust buildup from below the saw.

ASSEMBLING STAND FOR MODEL TS200LS

1. Assemble the stand as shown in Fig. 4C, using 16 M8x1.25x20mm carriage head bolts, 3/8" flat washers and M8x1.25 hex nuts. Align the holes in the stand legs (F) with the holes in the brackets. Insert the carriage head bolt through the hole in the leg and the hole in the bracket, place a flat washer on the carriage head bolt and thread a hex nut onto the carriage head bolt. Repeat this process for the 15 remaining holes in the legs and brackets.

NOTE: Loosely tighten the hardware for further adjustment.

Letters are on the stand brackets to ease assembly:

- A - Top front and rear brackets
- B - Top side brackets
- C - Bottom side brackets
- D - Bottom front and rear brackets

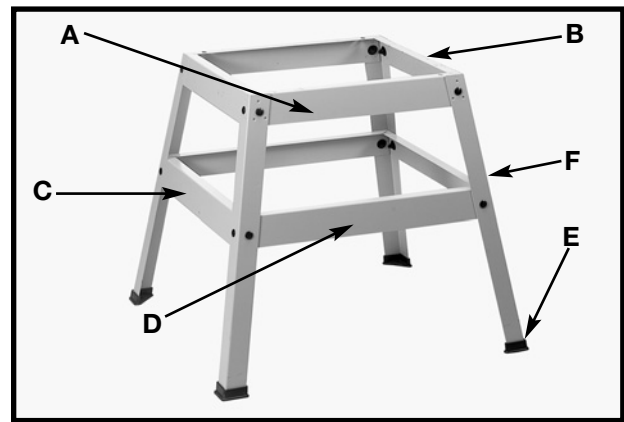


Fig. 4C

2. Attach the rubber feet (E) Fig. 4C to the bottom of each leg (F).

NOTE: Each rubber foot is provided with holes for mounting the stand to the floor surface if required.

SAW TO STAND - TS200LS ONLY

1. Turn saw table face down on a piece of cardboard to protect the table surface. Place stand upside down onto saw and align the four holes in the stand with the mounting holes in the saw.
2. Place a 3/8" flat washer on a M8x1.25x40mm hex head screw. Insert the hex head screw through the mounting hole in the saw and the mounting hole in the stand. Place another 3/8" flat washer on the hex head screw and thread a M8x1.25 hex nut on the screw and loosely tighten. Complete this process for the other three holes.
3. Stand the saw upright, as shown in Fig. 4D (Saw is shown fully assembled here).
4. Push down on top of the saw so that the legs of the stand adjust to the surface of the floor. Tighten all hardware securely.



Fig. 4D

ATTACHING BLADE HEIGHT ADJUSTING HANDWHEEL

1. Insert an M6x1x55mm pan head screw (D) Fig. 5 through the handle (E). Attach the handle (E) to the handwheel (A) by threading the screw (D) clockwise into the handwheel.
2. Attach the handwheel (A) Fig. 6 to the shaft (B). Align the flat on the inside of the handwheel to the flat on the shaft.

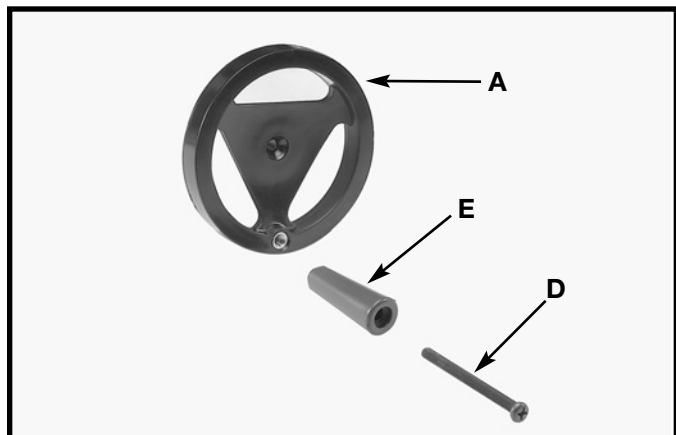


Fig. 5



Fig. 6

3. Fasten the handwheel (A) Fig. 7 to the shaft using an M6x1x12mm flat head screw (C)

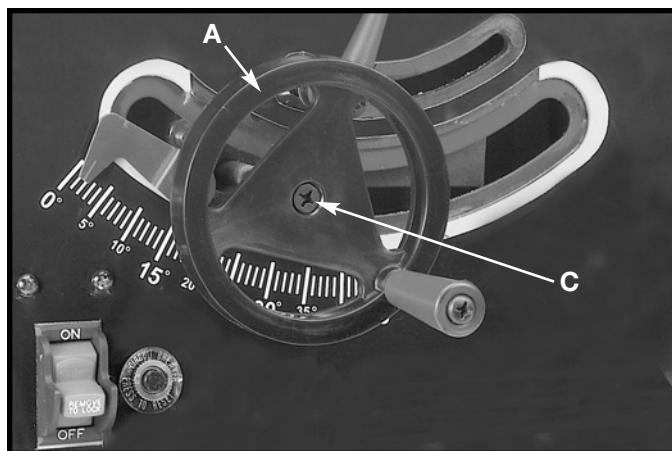


Fig. 7

ATTACHING BLADE GUARD AND SPLITTER ASSEMBLY

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

⚠ WARNING PROPERLY ALIGN THE BLADE GUARD AND SPLITTER ASSEMBLY WITH THE SAW BLADE TO PREVENT KICKBACK.

1. Position the blade 90 degrees to the table and lock in place.
2. Fasten the splitter support bracket (A) Fig. 9 to the splitter bracket (B) using two 1/4-20x1/2" hex head screws (C) and two 1/4" external tooth lockwashers (D).

NOTE: Loosely tighten the screws for further adjustment.

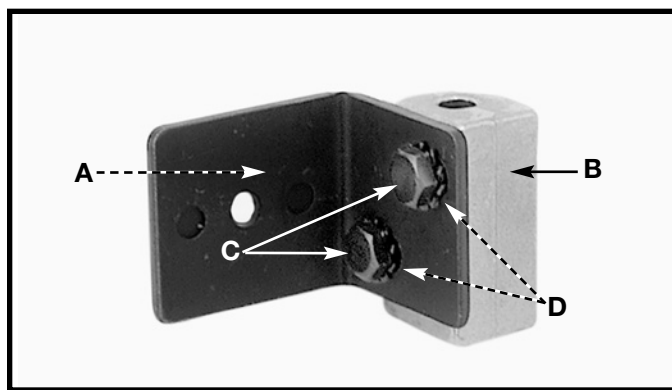


Fig. 9

3. Locate the 1/4-20x2½" hex head screw (G) Fig. 10. Place the 1/4" internal tooth lockwasher (O) M6.4 flat washer (P) and the 1/4" external tooth lockwasher (R) on the screw (G).
4. Position the recessed end (E) Fig. 11 of the splitter bracket (B) against the end of the pivot rod (F), and fasten using the assembly in **STEP 3**.

NOTE: Loosely tighten the hardware for further adjustment.

5. Position the splitter (H) Fig. 13 against the splitter support bracket, making certain the two protrusions (K) on the splitter support bracket are inside the slot of splitter (H).

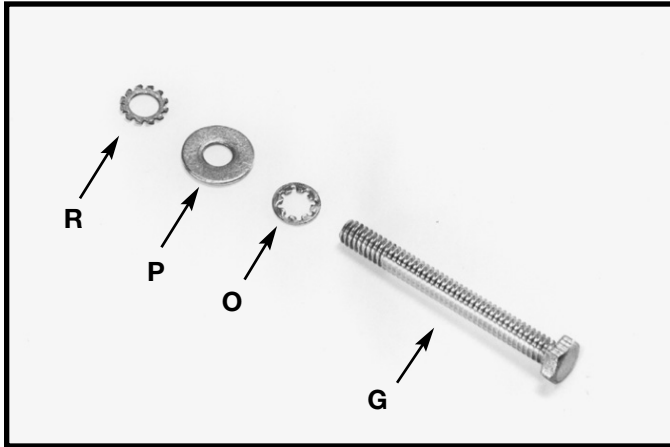


Fig. 10

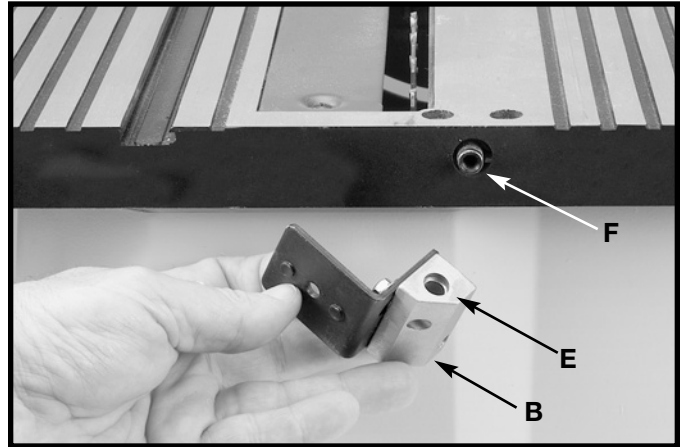


Fig. 11

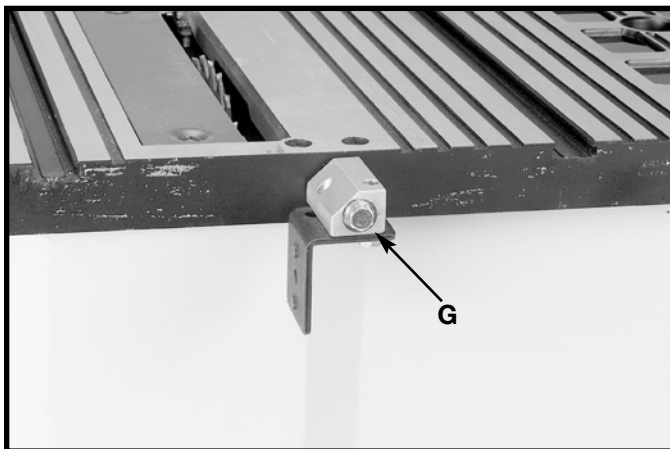


Fig. 12

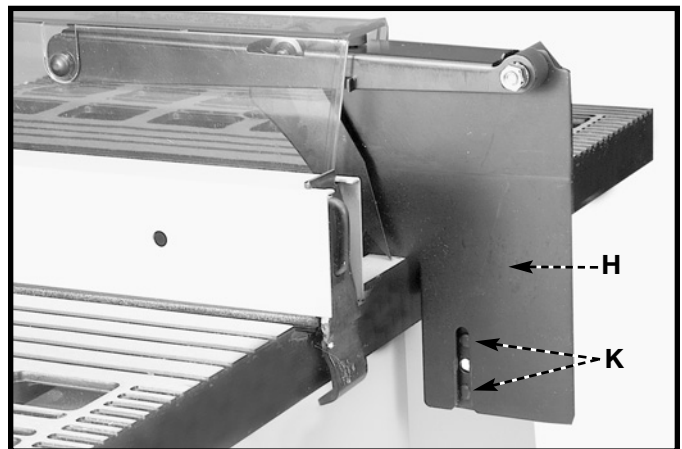


Fig. 13

6. Attach the splitter (H) Fig. 14 to the splitter support bracket (B). Place a 1/4" external tooth lockwasher and an M6.4 flat washer on an M6x1x20mm hex head screw (L).
7. Insert the screw (L) Fig. 14 through the splitter support bracket (C) and the splitter (H). Place an M6.4 flat washer and a 1/4" external tooth lockwasher on the screw (L). Thread an M6x1 wing nut (M) Fig. 15 on the screw (L) Fig. 15.

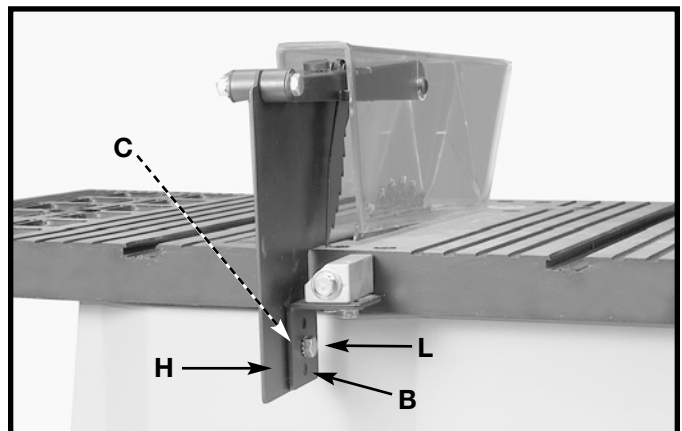


Fig. 14

NOTE: Before tightening the wing nut (M) Fig. 15, make certain a gap of at least 1/8" is between the bottom edge of the splitter (N) and the top surface of the table (P) and that the protrusions (K) are inside the slot of the splitter assembly (H).

8. Use a straight edge to see if the splitter (H) Fig. 16 is aligned with the saw blade (R). If an adjustment is necessary, the splitter (H) can be moved left or right and rotated.
9. When the splitter is properly aligned with the saw blade, tighten the screws (C) and (G) Fig. 17.

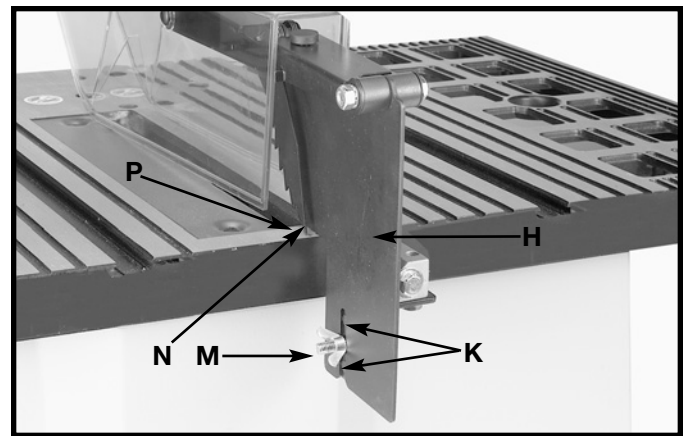


Fig. 15

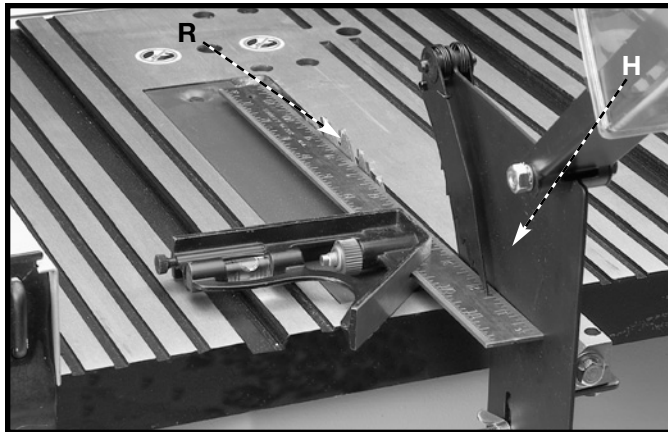


Fig. 16

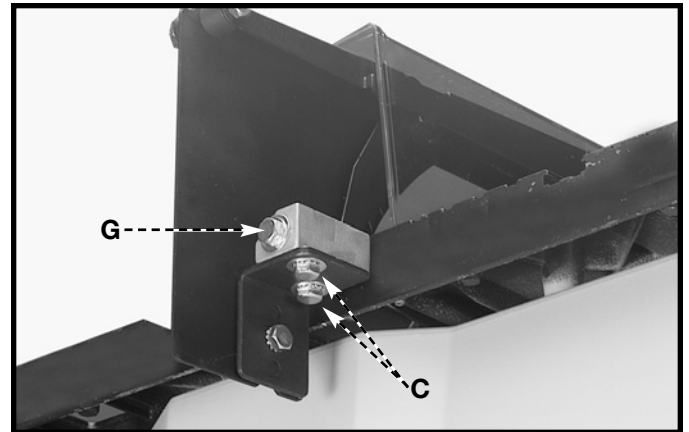


Fig. 17

MITER GAUGE

The miter gauge is shipped assembled and is supplied with a T-slot bar (A) Fig. 18 that is inserted into either one of the two T-slotted miter gauge grooves (B) located in the table top. The T-slot prevents the miter gauge from falling when it is extended beyond the front of the table when cross-cutting extra wide workpieces.

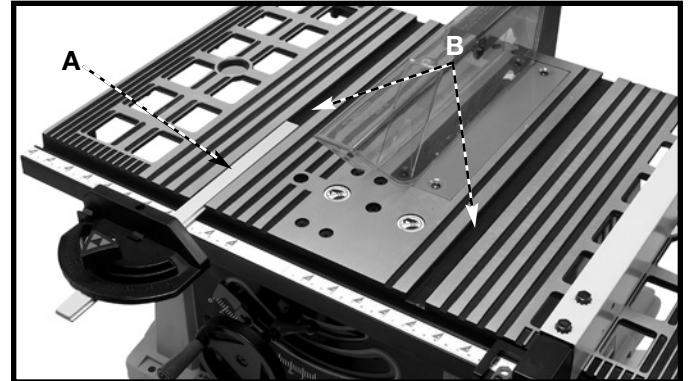


Fig. 18

ATTACHING MITER GAUGE HOLDER

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

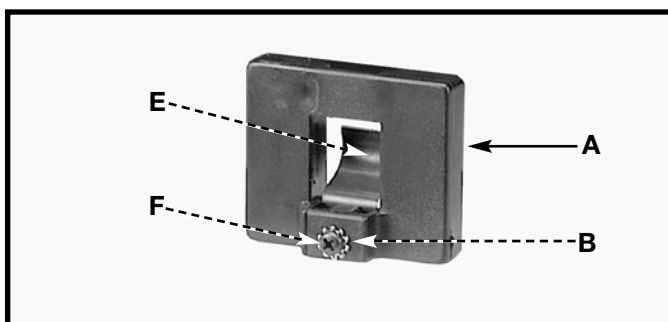


Fig. 19

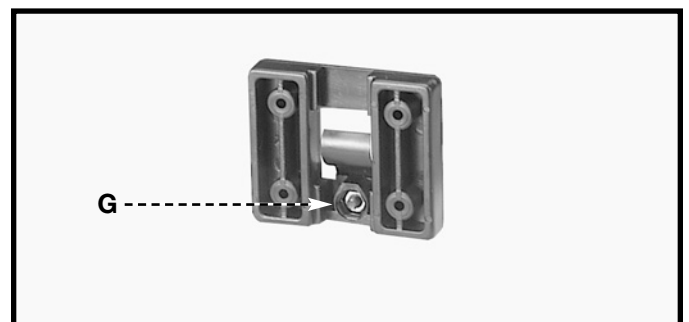


Fig. 20

1. Attach the spring clip (E) Fig. 19 to the miter gauge holder (A) using an M4x.7x10mm pan head screw (F), 3/16" external tooth lockwasher, (B) and M4x.7 hex nut.
- NOTE:** The hex nut (G) Fig. 20 will fit into the recess at the back of the miter gauge holder (A) Fig. 19 to keep the spring clip (E) secured to the miter gauge holder.
2. Attach the miter gauge holder (A) Fig. 21 to the left side of the saw cabinet using the four M4x.2x10mm screws (B) Fig. 22, and 3/16" flat washers (C) from inside of the saw cabinet.
 3. Fig. 23 illustrates the miter gauge (D) inserted into the holder.

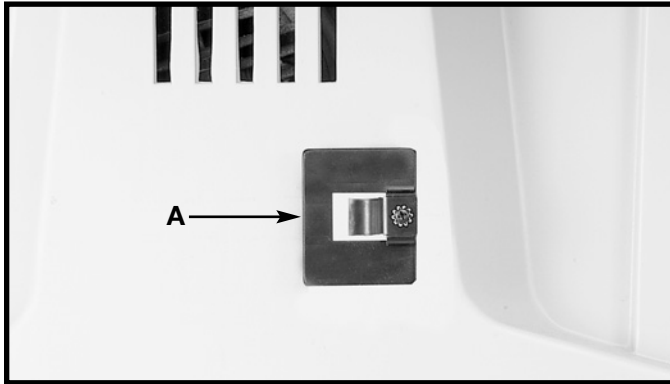


Fig. 21

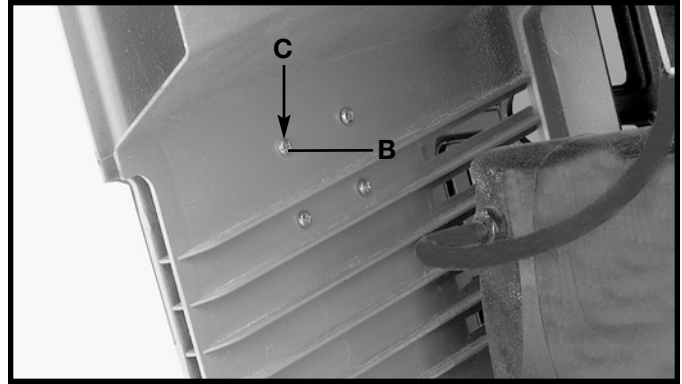


Fig. 22

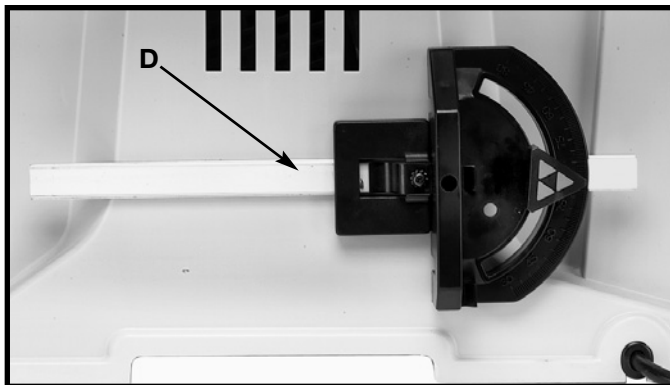


Fig. 23

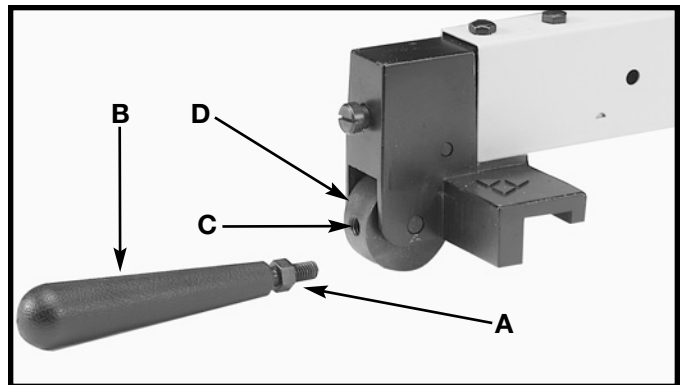


Fig. 24

ASSEMBLING RIP FENCE

1. Thread the M8x1.25 hex nut (A) Fig. 24, approximately halfway on the stud of the handle (B).
2. Thread the handle (B) Fig. 24 into the tapped hole (C) in the fence cam (D). Tighten the hex nut (A) Fig. 25 against the cam (D).
3. The rip fence is usually set up on the right hand side of the saw table. Lift the lock handle (B) Fig. 26 and position the fence on the table. Push down on the handle (B) Fig. 26 to lock the fence in place.

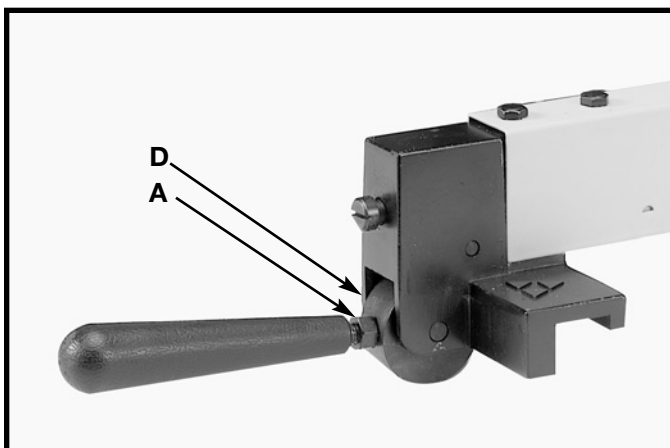


Fig. 25

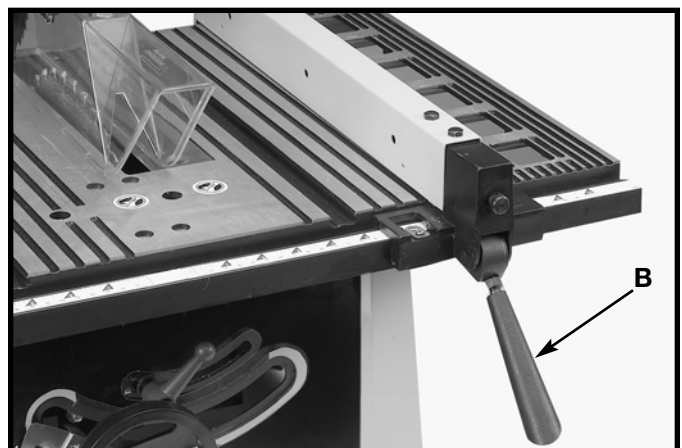


Fig. 26

OPERATION

OPERATIONAL CONTROLS AND ADJUSTMENTS

STARTING AND STOPPING SAW

The on/off switch (A) Fig. 27 is located on the front of the saw cabinet. To turn the saw “ON”, move the switch (A) up to the “ON” position. To turn the saw “OFF”, move the switch (A) down to the “OFF” position.

⚠ WARNING MAKE SURE THAT THE SWITCH IS IN THE “OFF” POSITION BEFORE PLUGGING IN THE POWER CORD. IN THE EVENT OF A POWER FAILURE, MOVE THE SWITCH TO THE “OFF” POSITION. AN ACCIDENTAL START-UP CAN CAUSE INJURY.

LOCKING SWITCH IN THE “OFF” POSITION

IMPORTANT: When the tool is not in use, the switch should be locked in the “OFF” position to prevent unauthorized use. To lock the tool, grasp the switch toggle (B) and pull it out of the switch (Fig. 28). With the switch toggle (B) removed, the switch will not operate. However, should the switch toggle be removed while the saw is running, the machine can be turned “OFF,” but cannot be restarted without re-inserting the switch toggle (B).

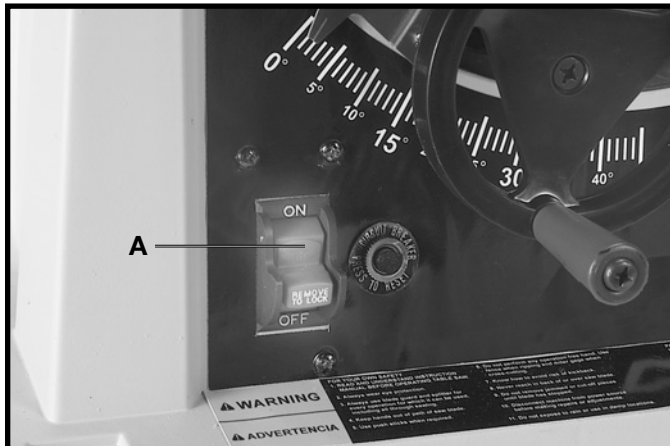


Fig. 27

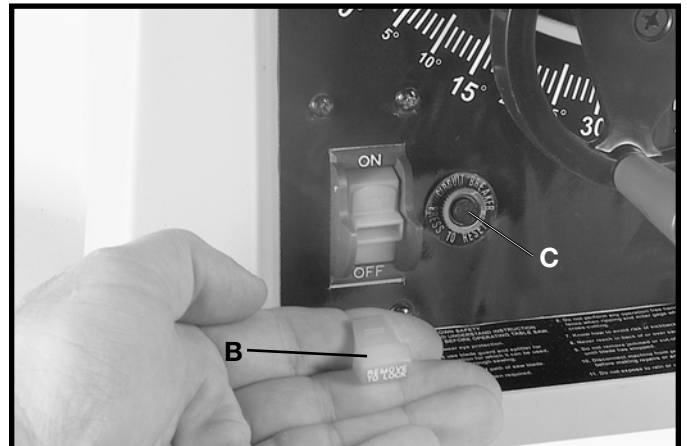


Fig. 28

OVERLOAD PROTECTION

Your saw is equipped with a reset button (C) Fig. 28. If the motor stops or fails to start due to over-loading (cutting stock too fast, using a dull blade, using the saw beyond its capacity, etc.) or low voltage, turn the switch to the “OFF” position. Let the motor cool three to five minutes. Push the reset button (C) to reset the overload device. The motor can then be started again in the usual manner.

BLADE HEIGHT ADJUSTMENT

To adjust the height of the saw blade, turn the handwheel (A) Fig. 29. Turning the handwheel clockwise lowers the blade and turning the handwheel counter-clockwise raises the blade.

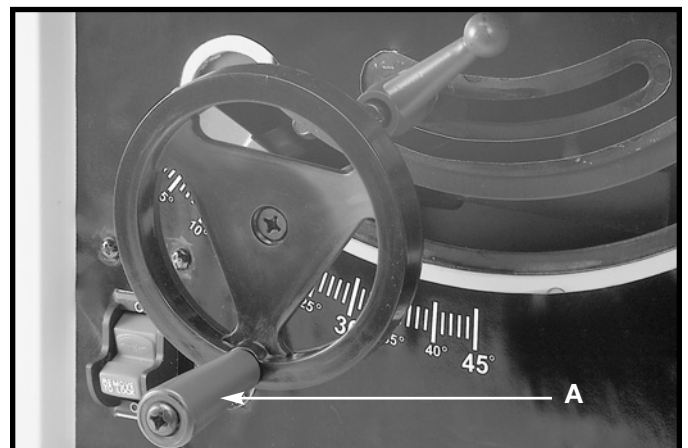


Fig. 29

BLADE TILT ADJUSTMENT

To tilt the saw blade, loosen the lock handle (A) Fig. 30 and move the handwheel (B) until the blade is at the desired angle. Tighten the lock handle (A).

NOTE: The lock handle (A) is spring-loaded. Pull out on the handle (A) and reposition it on the serrated stud located underneath the handle.

⚠ WARNING THE BLADE TILTING LOCK HANDLE (A) MUST BE LOCKED DURING ALL CUTTING OPERATIONS.

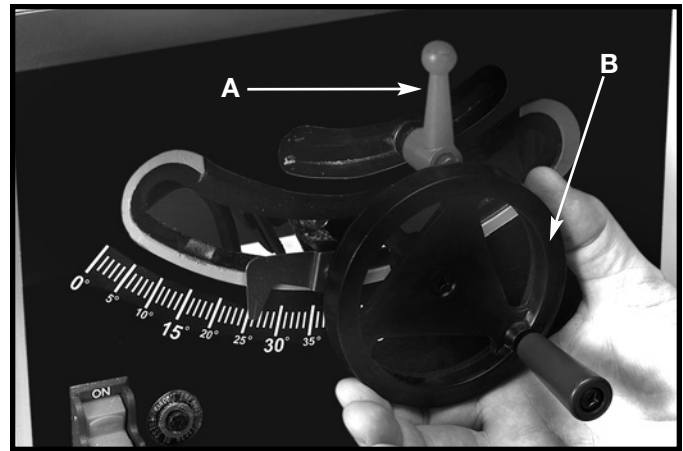


Fig. 30

90 AND 45 DEGREE POSITIVE STOP ADJUSTMENTS

Your saw is equipped with positive stops for rapid and accurate positioning of the saw blade at 90 and 45 degrees to the table.

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

TO ADJUST POSITIVE STOP AT 90 DEGREES

1. Raise the saw blade to its maximum height.
2. Loosen the blade tilting lock handle (A) Fig. 30, move the blade tilting mechanism (B) as far as possible to the left, and tighten the blade tilting lock handle (A).
3. Place a square (A) Fig. 31 on the table with one end of the square against the blade, and check to see if the blade is 90 degrees to the table. If not, loosen the screw (B) Fig. 31 a few turns and move the blade tilting mechanism until the blade is 90 degrees to the table. Tighten the blade tilting lock handle (A) Fig. 30, and tighten the screw (B) Fig. 31 until it stops.

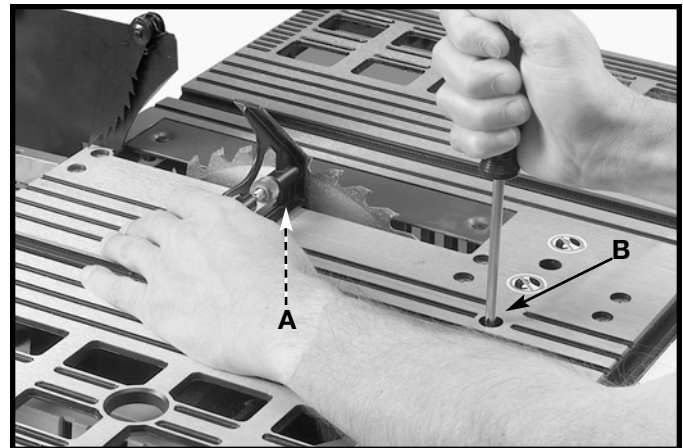


Fig. 31

TO ADJUST POSITIVE STOP AT 45 DEGREES

1. Raise the saw blade to its maximum height.
2. Loosen the blade tilting lock handle (A) Fig. 31, move the blade tilting mechanism (B) as far as possible to the right, and tighten the blade tilting lock handle (A).
3. Place a square (A) Fig. 32 on the table with one end of the square against the blade, and see if the blade is 45 degrees to the table. If not, loosen the screw (C) Fig. 32 a few turns and move the blade tilting mechanism (B) Fig. 30, until the blade is 45 degrees to the table. Tighten the blade tilting lock handle (A) Fig. 30, and tighten the screw (C) Fig. 32 until it stops.

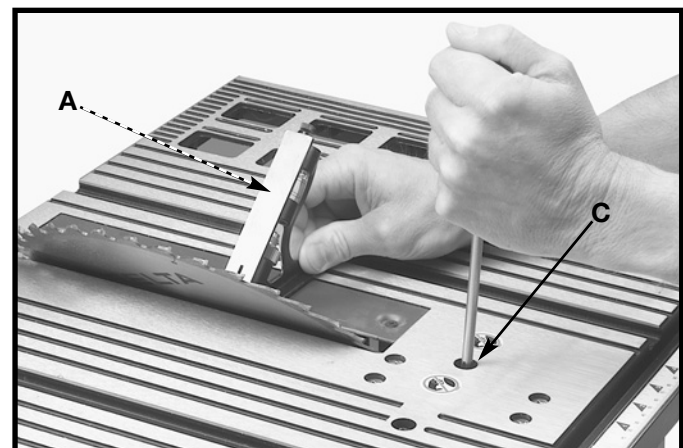


Fig. 32

RIP FENCE OPERATION AND ADJUSTMENTS

1. To move the rip fence (A) Fig. 33 along the table, lift up the fence locking lever (B), slide the fence to the desired location on the table, and push down the fence locking lever (B).
2. The pointer indicates the distance from the fence to the saw blade. If an adjustment is required, loosen the screw (C) Fig. 37 and adjust.

IMPORTANT: The rip fence must be properly aligned to the miter gauge slot to prevent kickback when ripping.

3. The saw blade is set parallel to the miter gauge slot at the factory. The fence must be parallel to the miter gauge slot to do accurate work and to prevent kickback when ripping. To check the alignment:
4. Position the fence next to the miter gauge slot (Fig. 33). Clamp the fence to the table by pushing the locking lever (B) down. The edge of the fence should be parallel to the miter gauge slot.
6. If an adjustment is necessary, loosen the two screws (D) Fig. 33, and lift the locking lever (B). While holding the fence bracket (F) firmly toward the front of the saw, move the rear of the fence (A) until it is parallel with the miter gauge slot. Tighten two screws (D) and push locking lever down (B).
7. Adjust the clamping action of the fence (A) Fig. 33 by lifting the locking lever (B) and turning the screw (E) clockwise to increase, or counterclockwise to decrease the clamping action of the fence.

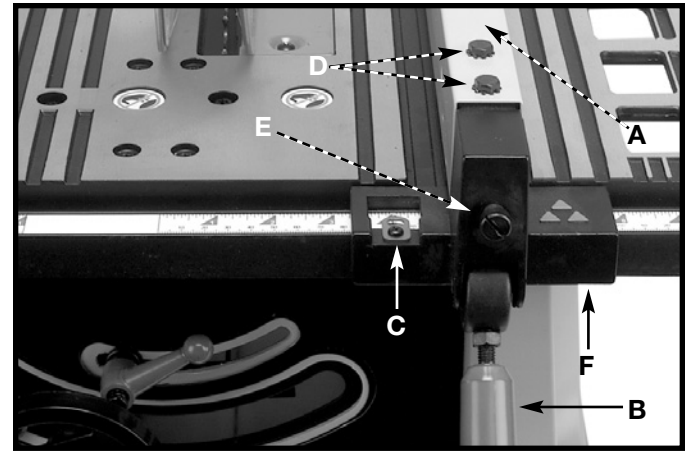


Fig. 33

TABLE INSERT ADJUSTMENT

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

1. Make sure that the table insert (A) Fig. 33A, is flush with, or slightly below, the surface of the table (B).
2. If the table insert is above the surface of the table, tighten the two table insert screws (C) Fig. 33A to lower the insert.

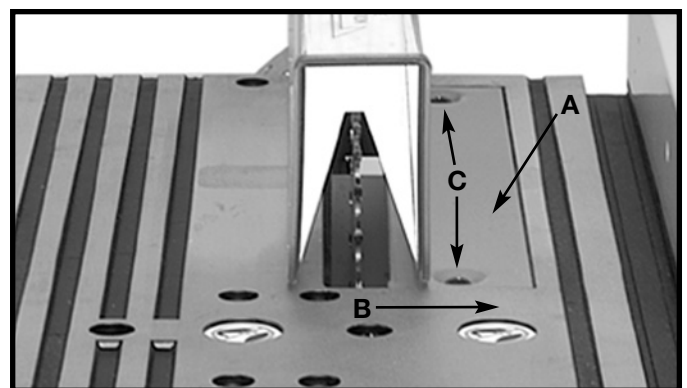


Fig. 33A

MITER GAUGE OPERATION AND ADJUSTMENTS

For cross-cutting (blade set 90 degrees to the table), the miter gauge can be used in either table slot. For bevel cross-cutting (with the blade tilted), use the miter gauge in the right table slot only so that the blade will be tilted away from the miter gauge and your hands.

To operate the miter gauge, loosen the lock knob (E) Fig. 34, and rotate the miter gauge to the desired angle.

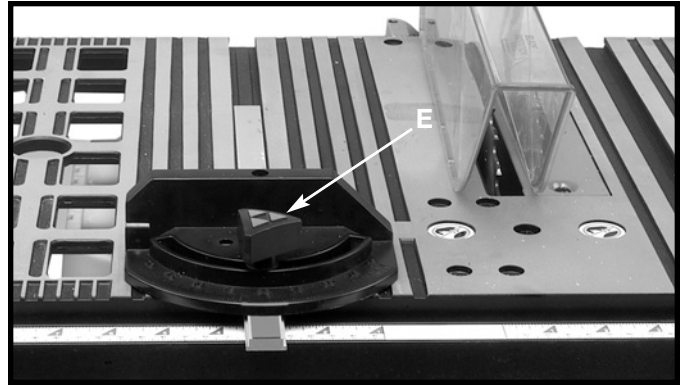


Fig. 34

ADJUSTING BLADE PARALLEL TO MITER GAUGE SLOTS

The blade was adjusted parallel to the miter gauge slots at the factory. In order to ensure accurate cuts and help prevent kickback, check this adjustment.

To adjust:

⚠ WARNING DISCONNECT MACHINE FROM POWER SOURCE.

1. Raise the blade to its highest position and adjust the blade so that it is 90 degrees to the table.
2. Select a tooth on the saw blade that is set to the left. Mark this tooth with a pencil or marker.
3. Use a combination square (A) Fig. 35 against the miter gauge slot and adjust the blade (B) of the square until it touches the marked tooth.
4. Rotate the blade and check the same marked blade tooth at the rear of the saw table (Fig. 36).

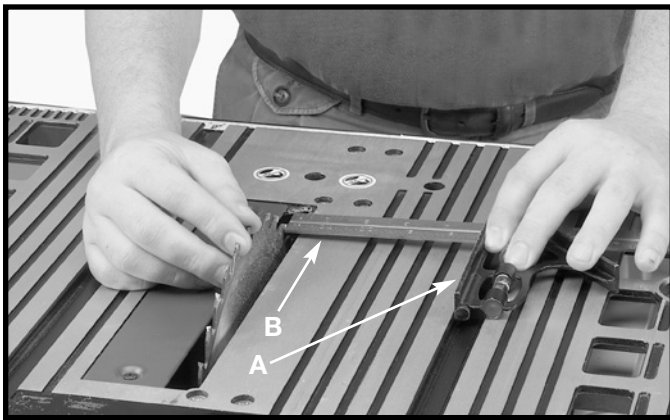


Fig. 35

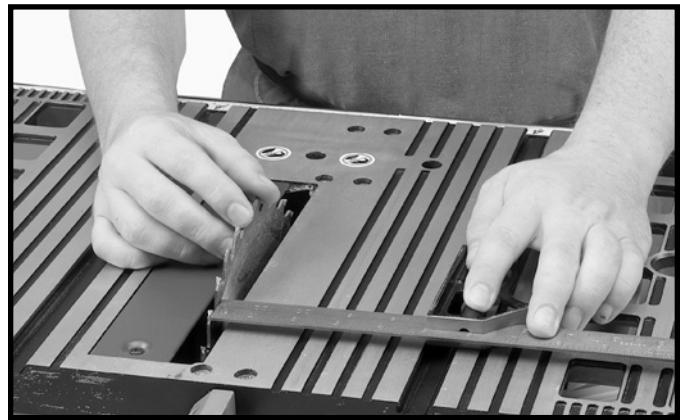


Fig. 36

5. If the front and back measurements (Figs. 35 and 36) are not identical, you can adjust the blade. Start by loosening the nuts below the four screws (C) Fig. 37 on the table. Then loosen the screws (C). Carefully move the saw blade until the blade is parallel to the miter gauge slot. When done, tighten four nuts under the table and the four screws (C) Fig. 37 securely.

NOTE: If sufficient adjustment cannot be achieved by loosening the screws (C) Fig. 37, loosen the screw (D) Fig. 37 necessary to make the adjustment.

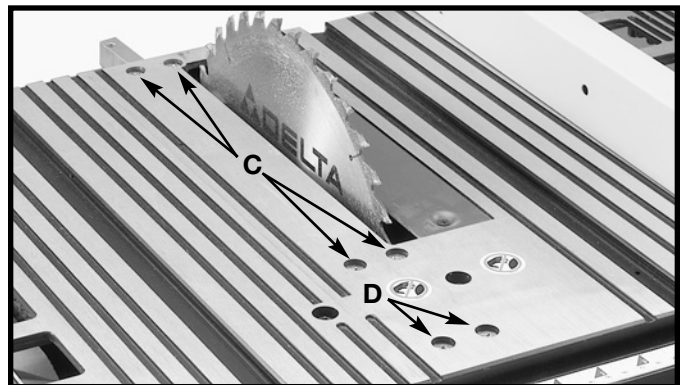


Fig. 37

CHANGING THE BLADE

⚠ WARNING

DISCONNECT THE MACHINE FROM THE POWER SOURCE. USE ONLY 10" DIAMETER SAW BLADES RATED FOR 4700 RPM OR HIGHER. USE ONLY SAW BLADES WITH 5/8" ARBOR HOLES.

1. NOTE: One 7/8" wrench is supplied with the saw for changing the saw blade.
2. Remove table insert (A) Fig. 38, and raise saw blade (F) to its maximum height.
3. To remove blade, place the wrench (D) on the flats of the arbor nut (C) to keep the arbor from turning. Place a piece of wood (B) flat on the table against the blade so that a tooth of the blade can "grab" the wood to keep the blade from turning. Use wrench to turn the arbor nut toward the front of the saw. Remove arbor nut, blade flange (E), and saw blade.
4. Assemble the new blade, making certain the teeth point down at the front of the saw table, and assemble outside blade flange and arbor nut. Using the piece of wood (B) to keep the blade from turning, tighten arbor nut by turning wrench (D) toward the rear of the saw.
5. Replace table insert.

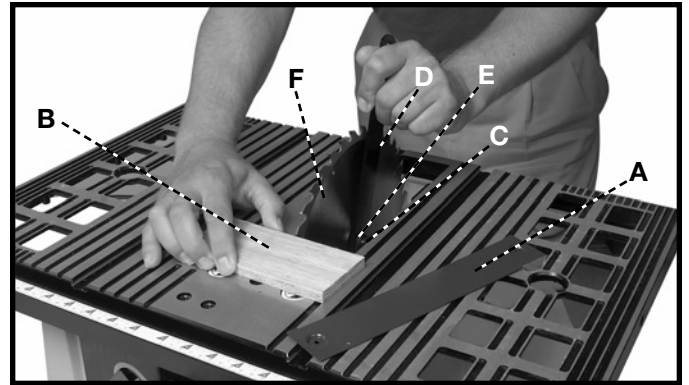


Fig. 38

MACHINE USE

Common sawing operations include ripping and crosscutting plus a few other standard operations of a fundamental nature. As with all power machines, there is a certain amount of hazard involved with the operation and use of the machine. Using the machine with the respect and caution demanded as far as safety precautions are concerned, will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or completely ignored, personal injury to the operator can result. The following information describes the safe and proper method for performing the most common sawing operations.

⚠ WARNING

THE USE OF ATTACHMENTS AND ACCESSORIES NOT RECOMMENDED BY DELTA MAY RESULT IN THE RISK OF INJURY TO THE USER OR OTHERS.

CROSS-CUTTING

Cross-cutting requires the use of the miter gage to position and guide the work. Place the work against the miter gage and advance both the gage and work toward the saw blade, as shown in Fig. 39. The miter gage may be used in either table slot. When bevel cutting (blade tilted), use the table groove that does not cause interference of your hand or miter gage with the saw blade guard.

Start the cut slowly and hold the work firmly against the miter gage and the table.

⚠ WARNING

ONE OF THE RULES IN RUNNING A SAW IS THAT YOU NEVER HANG ONTO OR TOUCH THE PART OF THE WORKPIECE THAT WILL BE CUT OFF.

Hold the supported piece, not the free piece that is cut off. The feed in cross-cutting continues until the work is cut in two, and the miter gage and work are pulled back to the starting point. Before pulling the work back, it is good practice to give the work a little sideways shift to move the work slightly away from the saw blade. **Never** pick up any short length of free work from the table while the saw is running. **Never** touch a cut-off piece unless it

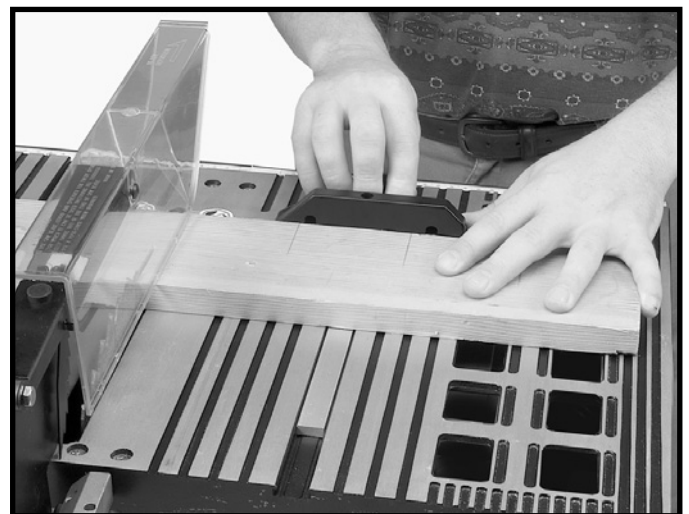


Fig. 39

is at least a foot long.

For added safety and convenience the miter gage (A) can be fitted with an auxiliary wood-facing (B), as shown in Fig. 39A, that should be at least 1 inch higher than the maximum depth of cut, and should extend out 12 inches

or more to one side or the other depending on which miter gage slot is being used. This auxiliary wood-facing (B) can be **fastened** to the front of the miter gage by using two wood screws (C) through the holes provided in the miter gage body and into the wood-facing.

⚠ WARNING NEVER USE THE FENCE AS A CUT-OFF GAGE WHEN CROSS-CUTTING.

When cross-cutting a number of pieces to the same length, a block of wood (B) Fig. 39B can be clamped to the fence and used as a cut-off gage as shown in Fig. 39B. It is important that this block of wood always be positioned in front of the saw blade as shown. Once the cut-off length is determined, secure the fence and use the miter gage to feed the work into the cut. This block of wood allows the cut-off piece to move freely along the table surface without binding between the fence and the saw blade, thereby lessening the possibility of kickback and injury to the operator.

⚠ CAUTION WHEN USING THE BLOCK (B) FIG. 39B, AS A CUT-OFF GAGE, IT IS VERY IMPORTANT THAT THE REAR END OF THE BLOCK BE POSITIONED SO THE WORK PIECE IS CLEAR OF THE BLOCK BEFORE IT CONTACTS THE BLADE.

RIPPING

Ripping is cutting lengthwise through a board. The rip fence (A) Fig. 40 is used to position and guide the work. One edge of the work rides against the rip fence while the flat side of the board rests on the table. Since the work is pushed along the fence, it must have a straight edge and make solid contact with the table.

⚠ WARNING THE SAW BLADE GUARD MUST BE USED. ON DELTA SAWS, THE GUARD HAS ANTI-KICKBACK FINGERS TO PREVENT KICKBACK AND A SPLITTER TO PREVENT THE WOOD KERF FROM CLOSING AND BINDING THE BLADE. BE SURE TO REPLACE OR SHARPEN THE ANTI-KICKBACK DEVICES WHEN THE POINTS BECOME DULL.

⚠ WARNING A RIP FENCE SHOULD ALWAYS BE USED FOR RIPPING OPERATIONS. NEVER PERFORM A RIPPING OPERATION FREE-HAND.

1. Start the motor and advance the work holding it down and against the fence. **Never** stand in the line of the saw cut when ripping. When the rip width is 6 inches or wider, hold the work with both hands and push it along the fence and into the saw blade (Fig. 40). The work should then be fed through the saw blade with the right hand. Only use the left hand to guide the workpiece. Do not feed the workpiece with the left hand. After the work is beyond the saw blade and anti-kickback fingers, remove hands from the work.
2. When this is done the work will either stay on the table, tilt up slightly and be caught by the end of the rear guard, or slide off the table to the floor. Alternately, the feed can continue to the end of the table, after which the work is lifted and brought along the outside edge of the fence. The cut-off stock remains on the table and is not touched until the saw blade has stopped, unless it is a large piece allowing safe removal. When ripping boards longer

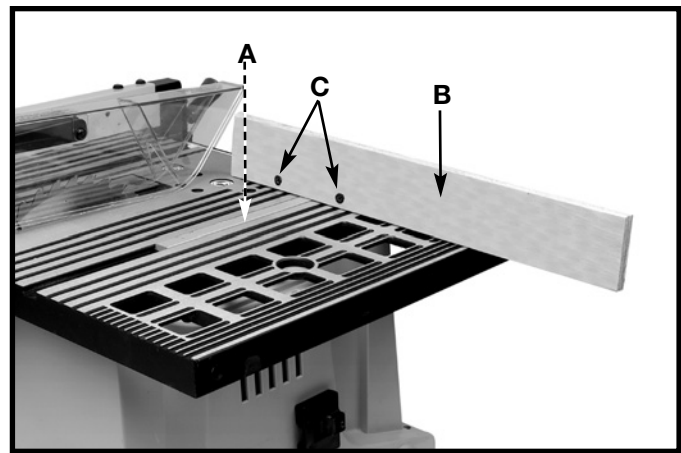


Fig. 39A

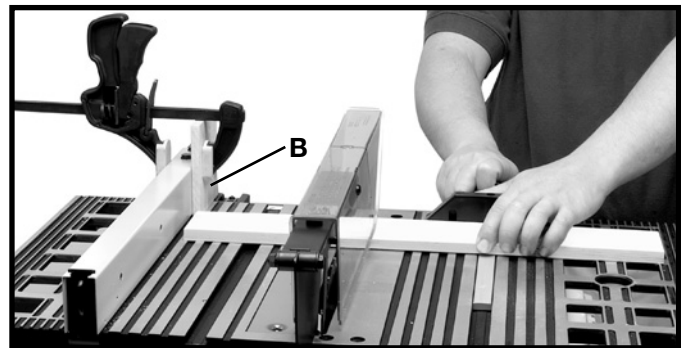


Fig. 39B

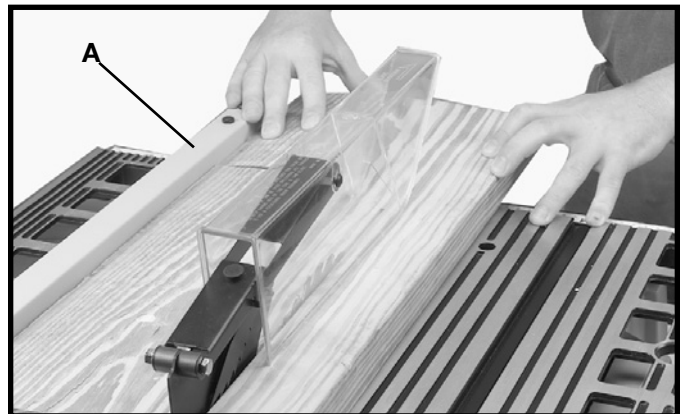


Fig. 40

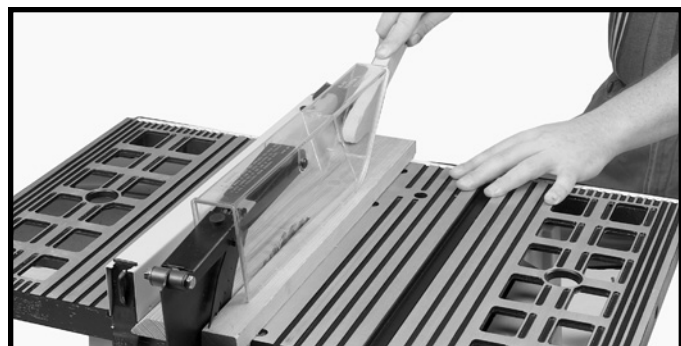


Fig. 41

than three feet, use a work support at the rear of the saw to keep the workpiece from falling off the saw table.

3. If the ripped work is less than 6 inches wide, a push stick should always be used to complete the feed, as shown in Fig. 41. The push stick can easily be made from scrap material as explained in the section **“CONSTRUCTING A PUSH STICK.”**
4. Ripping narrow pieces can be dangerous if not done carefully.

⚠ WARNING WHEN THE PIECE IS TOO NARROW FOR A PUSH STICK TO BE EFFECTIVE - AND IF THE WORKPIECE IS SHORT ENOUGH - USE A PUSHBOARD. WHEN RIPPING MATERIAL UNDER 2 INCHES IN WIDTH, ORDINARY PUSH STICKS MAY INTERFERE WITH THE BLADE GUARD.

When using a pushboard, the width of the pushboard must be added to the width of the rip fence position setting. A flat pushboard can be constructed as shown in Fig. 43 and should be used as shown in Fig. 42. **NOTE: GUARD REMOVED FOR CLARITY. ALWAYS USE THE GUARD.**

NOTE: Some special operations require the addition of an auxiliary wood facing to the fence, as explained in the section **“USING AUXILIARY WOOD FACING ON THE RIP FENCE”** and use of a push stick.

USING AUXILIARY WOOD FACING ON RIP FENCE

When performing special cutting operations – and that operation may cause the cutting implement to contact the fence – it is necessary to add a wood facing (A) Fig. 43A, to one side of the rip fence as shown. The wood facing is attached to the fence with wood screws through holes drilled in the fence. 3/4-inch stock is suitable for most work, although an occasional job may require one-inch facing.

ACCESSORY DADO CUTTERHEAD

CAUTION THE MAXIMUM WIDTH DADO CUT FOR THIS SAW IS 1/2 INCH.

⚠ WARNING THE BLADE GUARD AND SPLITTER ASSEMBLY CANNOT BE USED WHEN DADOING. IT MUST BE REMOVED OR SWUNG TO THE REAR OF THE SAW.

Before dadoing, loosen wing nut (A) Fig. 44 and take off the blade guard and splitter assembly (B). Keep assembly handy to replace it after dadoing.

⚠ WARNING AUXILIARY JIGS, FIXTURES, PUSH STICKS AND FEATHER BOARDS SHOULD BE USED.

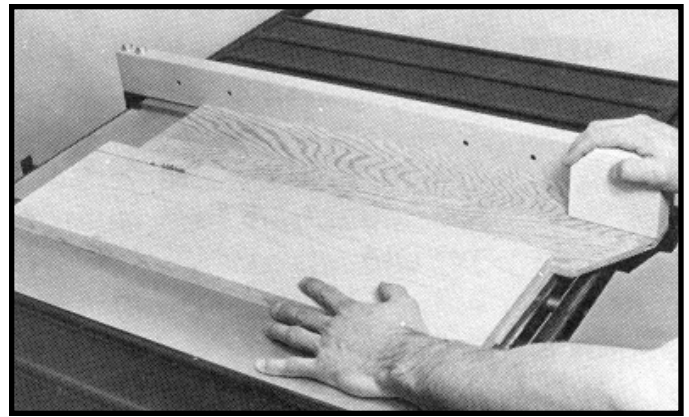


Fig. 42

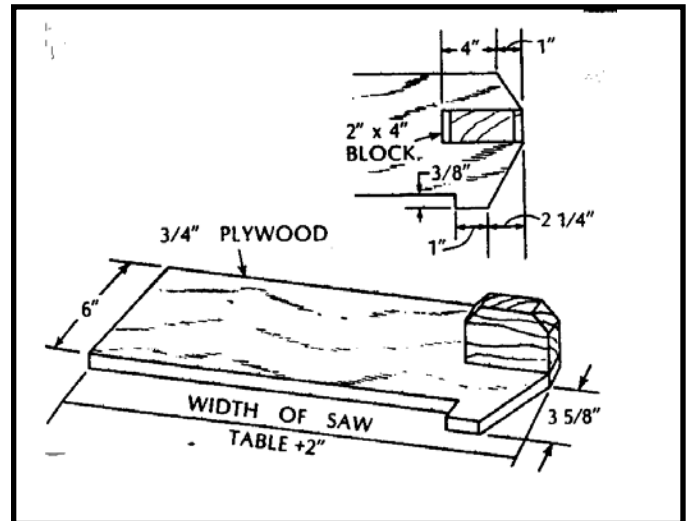


Fig. 43

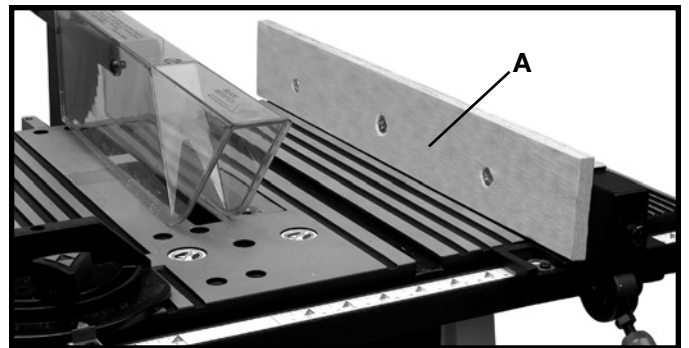


Fig. 43A

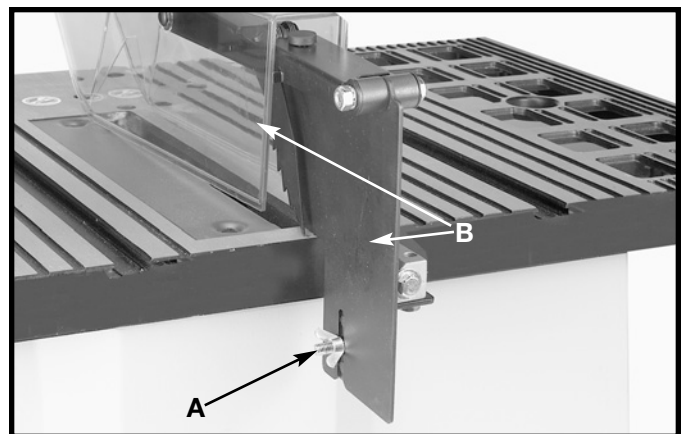


Fig. 44

1. Dadoing is cutting a rabbet or wide groove into the work. Most dado head sets are made up of two outside saws and four or five inside cutters, (Fig. 44A). Various combinations of saws and cutters are used to cut grooves from 1/8" to 13/16" for use in shelving, making joints, tenoning, grooving, etc. The cutters are heavily swaged and must be arranged so that this heavy portion falls in the gullets of the outside saws, as shown in Fig. 45. The saw and cutter overlap is shown in Fig. 46, (A) being the outside saw, (B) an inside cutter, and (C) a paper washer or washers, used as needed to control the exact width of groove. A 1/4" groove is cut by using the two outside saws. The teeth of the saws should be positioned so that the raker on one saw is beside the cutting teeth on the other saw.

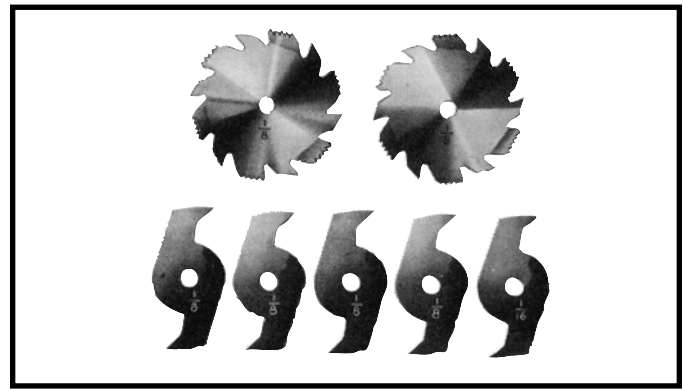


Fig. 44A

2. Attach the dado head set (D) Fig. 47, to the saw arbor.

NOTE: THE OUTSIDE ARBOR FLANGE CAN NOT BE USED WITH THE DADO HEAD SET, TIGHTEN THE ARBOR NUT AGAINST THE DADO HEAD SET BODY. DO NOT LOSE THE OUTSIDE ARBOR FLANGE. IT WILL BE NEEDED WHEN REATTACHING A BLADE TO THE ARBOR.

⚠ CAUTION THE ACCESSORY DADO HEAD SET TABLE INSERT (E) FIG. 47, MUST BE USED IN PLACE OF THE STANDARD TABLE INSERT.

⚠ WARNING THE BLADE GUARD AND SPLITTER ASSEMBLY CANNOT BE USED WHEN DADOING AND MUST BE REMOVED OR SWUNG TO THE REAR OF THE SAW. AUXILIARY JIGS, FIXTURES, PUSH STICKS AND FEATHER BOARDS SHOULD ALSO BE USED.

3. Fig. 48, shows a typical dado operation using the miter gage as a guide.

⚠ CAUTION NEVER USE THE DADO HEAD IN A BEVEL POSITION.

⚠ WARNING ALWAYS INSTALL BLADE GUARD AFTER OPERATION IS COMPLETED.

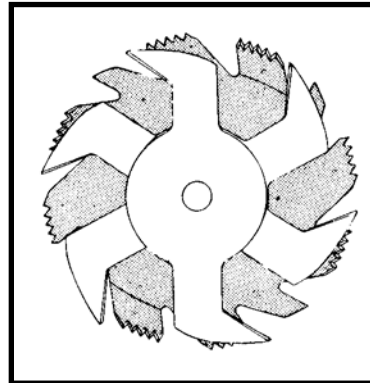


Fig. 45

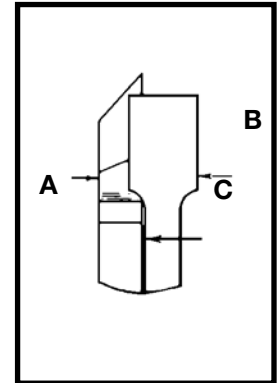


Fig. 46

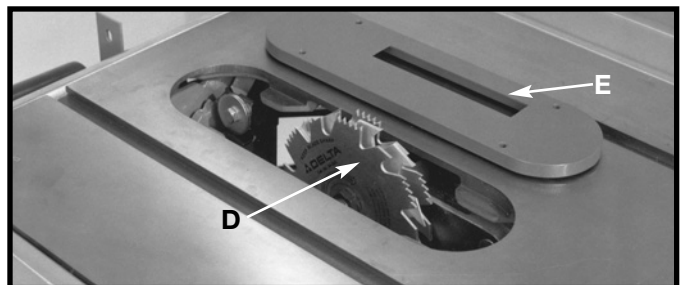


Fig. 47

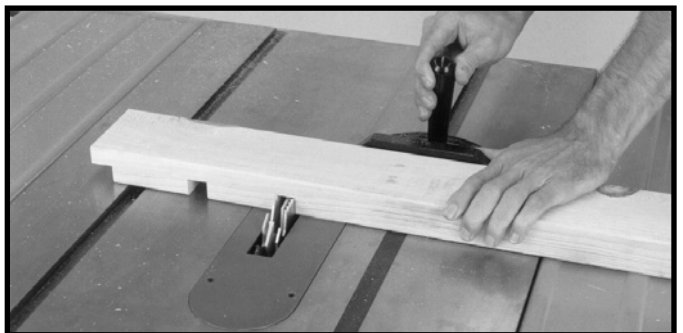


Fig. 48

CONSTRUCTING A PUSH STICK

When ripping work less than 4 inches wide, a push stick should be used to complete the feed and could be easily made from scrap material by following the pattern shown in Fig. 48B.

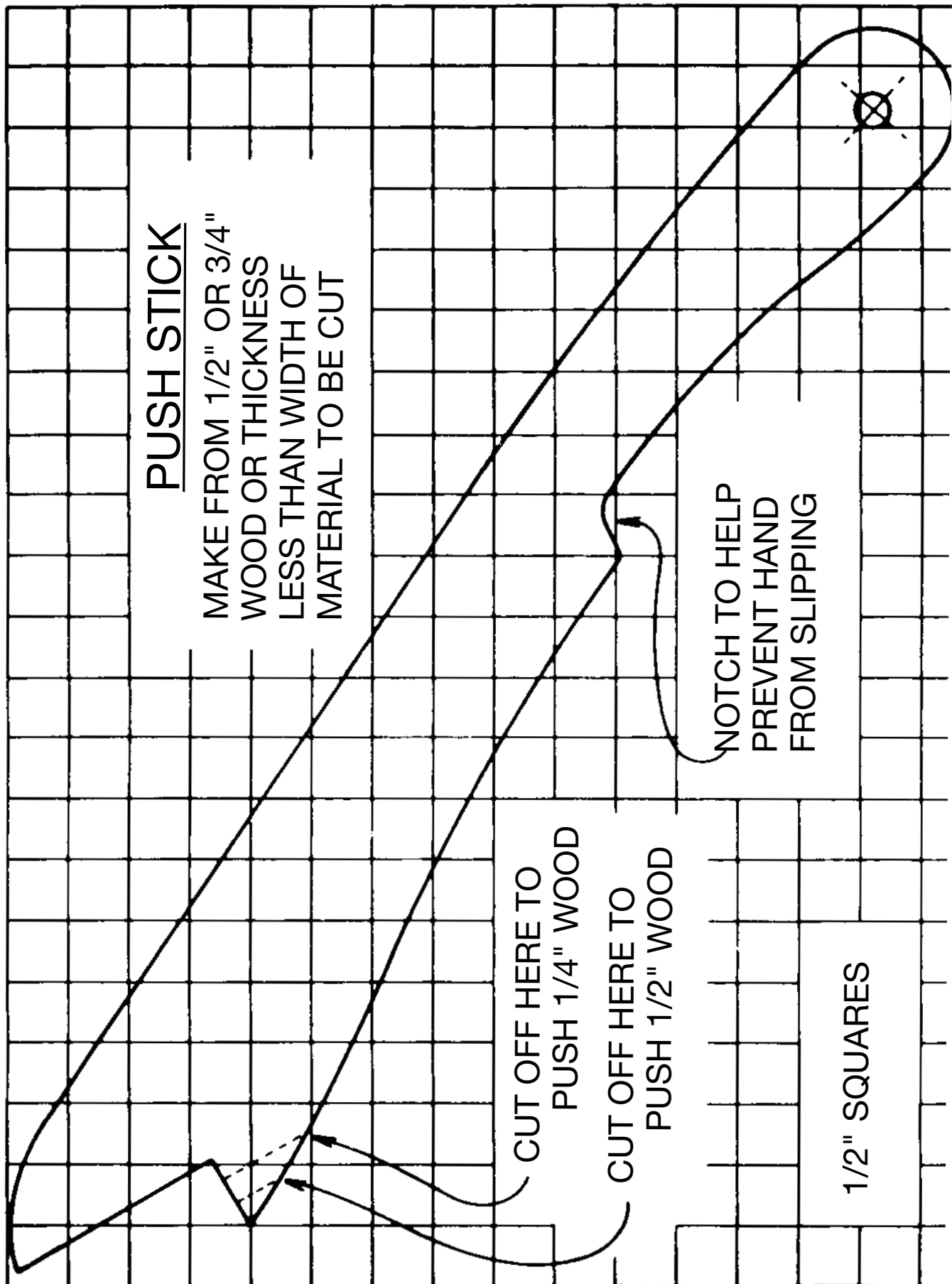


Fig. 48B

CONSTRUCTING A FEATHERBOARD

Fig. 49, illustrates dimensions for making a typical featherboard. The material which the featherboard is constructed of, should be a straight piece of wood that is free of knots and cracks. Featherboards are used to keep the work in contact with the fence and table, as shown in Fig. 50, and help prevent kickbacks. Clamp the featherboards to the fence and table so that the leading edge of the featherboards will support the workpiece until the cut is completed. An 8" high flat board can be clamped to the rip fence and the featherboard can be clamped to the 8" high board.

⚠ WARNING Use featherboards for all non "thru-sawing" operations where the guard and splitter assembly must be removed. Always replace the guard and splitter assembly when the non thru-sawing operation is completed.

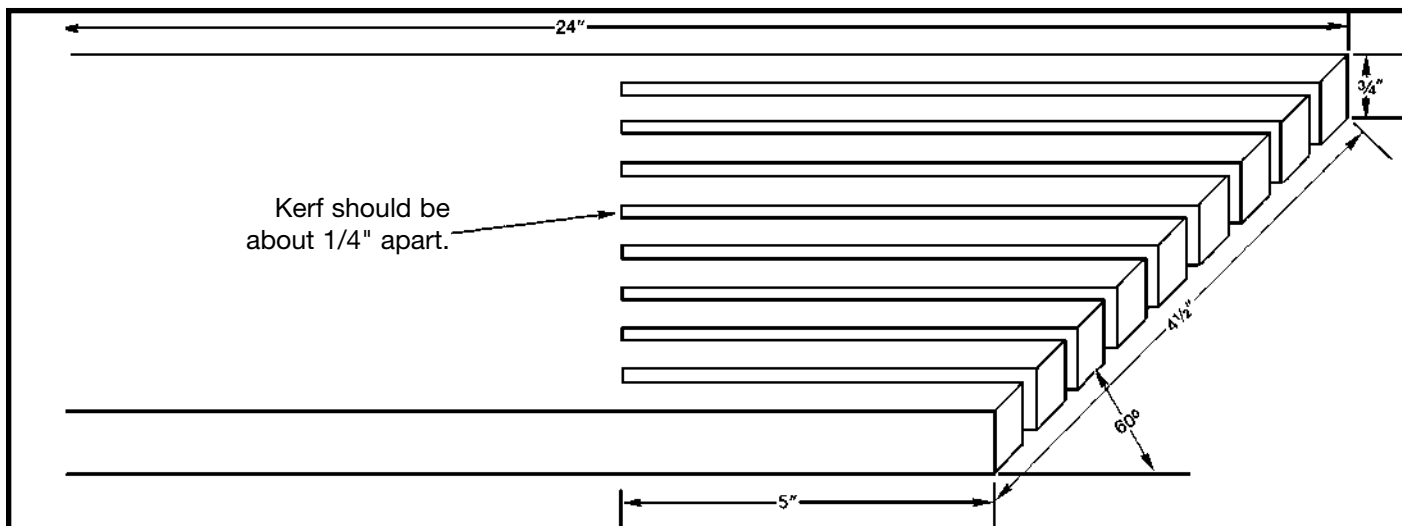


Fig. 49

Further information on the safe and proper operation of table saws is available in the Delta "Getting the Most Out of Your Table Saw" How-To Book, Catalog No. 11-400. Additional Information on table saw safety, including a table saw safety video, is available from the following:

POWER TOOL INSTITUTE
1300 Sumner Avenue
Cleveland, OH 44115-2851
www.powertoolinstitute.com

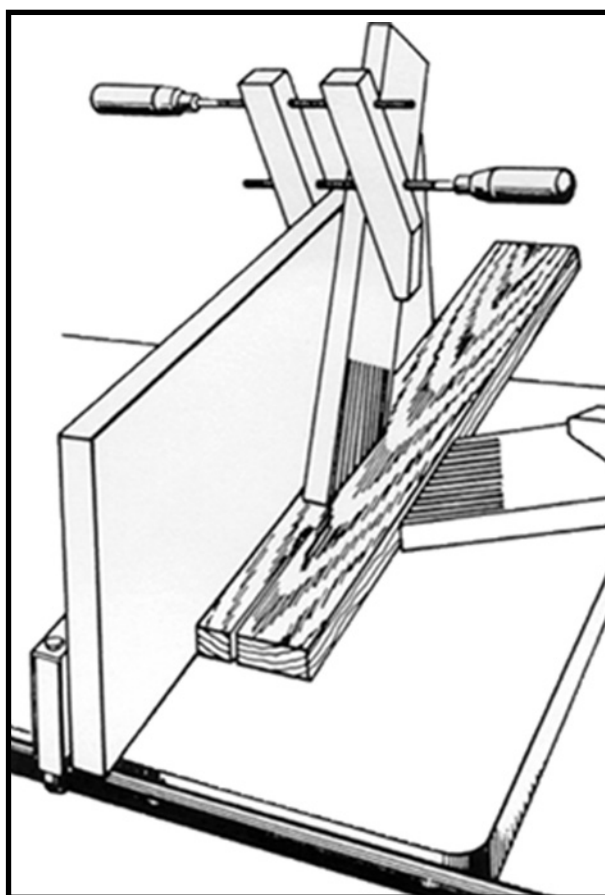


Fig. 50

TROUBLESHOOTING

For assistance with your machine, visit our website at www.deltamachinery.com for a list of service centers or call the DELTA Machinery help line at 1-800-223-7278 (In Canada call 1-800-463-3582).

MAINTENANCE

KEEP MACHINE CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

⚠ WARNING Wear ANSI Z87.1 safety glasses while using compressed air.

FAILURE TO START

Should your machine fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

LUBRICATION

Apply household floor paste wax to the machine table and extension table or other work surface weekly.

PROTECTING CAST IRON FROM RUST

To clean and protect cast iron tables from rust, you will need the following materials: 1 pushblock from a jointer, 1 sheet of medium Scotch-Brite™ Blending Hand Pad, 1 can of WD-40®, 1 can of degreaser, 1 can of TopCote® Aerosol. Apply the WD-40 and polish the table surface with the Scotch-Brite pad using the pushblock as a holddown. Degrease the table, then apply the TopCote® accordingly.

SERVICE



PARTS, SERVICE OR WARRANTY ASSISTANCE

All Delta Machines and accessories are manufactured to high quality standards and are serviced by a network of Porter-Cable • Delta Factory Service Centers and Delta Authorized Service Stations. To obtain additional information regarding your Delta quality product or to obtain parts, service, warranty assistance, or the location of the nearest service outlet, please call 1-800-223-7278 (In Canada call 1-800-463-3582).

ACCESSORIES

A complete line of accessories is available from your Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Delta Authorized Service Stations. Please visit our Web Site www.deltamachinery.com for a catalog or for the name of your nearest supplier.

⚠ WARNING Since accessories other than those offered by Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Delta recommended accessories should be used with this product.

WARRANTY



Two Year Limited New Product Warranty

Delta will repair or replace, at its expense and at its option, any new Delta machine, machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a Delta factory service center or authorized service station with proof of purchase of the product within two years and provides Delta with reasonable opportunity to verify the alleged defect by inspection. For all refurbished Delta product, the warranty period is 180 days. Delta may require that electric motors be returned prepaid to a motor manufacturer's authorized station for inspection and repair or replacement. Delta will not be responsible for any asserted defect which has resulted from normal wear, misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Delta service facility or representative. Under no circumstances will Delta be liable for incidental or consequential damages resulting from defective products. This warranty is Delta's sole warranty and sets forth the customer's exclusive remedy, with respect to defective products; all other warranties, express or implied, whether of merchantability, fitness for purpose, or otherwise, are expressly disclaimed by Delta.

NOTES

PORTER-CABLE • DELTA SERVICE CENTERS (CENTROS DE SERVICIO DE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Machinery are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Siguients Centros de Porter-Cable • Delta)

ARIZONA

Phoenix 85013-2906
4501 N. 7th Ave.
Phone: (602) 279-6414
Fax: (602) 279-5470

CALIFORNIA

Ontario 91761 (Los Angeles)
3949A East Guasti Road
Phone: (909) 390-5555
Fax: (909) 390-5554

San Diego 92111
7290 Clairemont Mesa Blvd.
Phone: (858) 279-2011
Fax: (858) 279-0362

San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (510) 357-9762
Fax: (510) 357-7939

COLORADO

Denver 80223
700 West Mississippi Ave.
Phone: (303) 922-8325
Fax: (303) 922-0245

FLORIDA

Davie 33314 (Miami)
4343 South State Rd. 7 (441)
Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638

Tampa 33634
4909 West Waters Ave.
Phone: (813) 884-0434
Fax: (813) 888-5997

GEORGIA

Forest Park 30297 (Atlanta)
5442 Frontage Road,
Suite 112
Phone: (404) 608-0006
Fax: (404) 608-1123

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Addison 60101 (Chicago)
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Phone: (630) 424-8805
Fax: (630) 424-8895

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Phone: (913) 495-4330
Fax: (913) 495-4378

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Phone: (410) 799-9394
Fax: (410) 799-9398

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Franklin Industrial Park
101E Constitution Blvd.
Phone: (508) 520-8802
Fax: (508) 528-8089

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30475 Stephenson Highway
Phone: (248) 597-5000
Fax: (248) 597-5004

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Phone: (952) 884-9191
Fax: (952) 884-3750

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Phone: (314) 997-9100
Fax: (314) 997-9183

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175-25 Horace Harding Expwy.
Phone: (718) 225-2040
Fax: (718) 423-9619

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9129 Monroe Road, Suite 115
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Fax: (704) 708-4625

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1948 Schrock Road
Phone: (614) 895-3112
Fax: (614) 895-3187

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6485 Pearl Road
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Fax: (440) 884-3430

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14811 North East Airport Way
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Fax: (503) 255-6543

PENNSYLVANIA

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(Philadelphia)
520 North York Road
Phone: (215) 658-1430
Fax: (215) 658-1433

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1300 Interstate 35 N, Suite 112
Phone: (972) 446-2996
Fax: (972) 446-8157

Houston 77022-2122
536 East Tidwell Rd.
Phone: (713) 692-7111
Fax: (713) 692-1107

WASHINGTON

Auburn 98001(Seattle)
3320 West Valley HWY, North
Building D, Suite 111
Phone: (253) 333-8353
Fax: (253) 333-9613

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Fax: (403) 735-6144

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Burnaby, B.C.
V5A 4T8
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Fax: (604) 420-3522

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N1H 6M7
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St-Jean Baptiste, Suite 160
Québec, Québec
G2E 5E2
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Fax: (418) 877-7123

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